

## Course WLC-TFS1201: Using Team Foundation Server Version Control and Testing Features

**Two days, instructor-led**

### About this course

This two day, instructor-led course will cover the features of Visual Studio Team Foundation Server that are relevant to implementers and testers using the .Net Framework and related technologies.

### At Course Completion

After completing this course, students will be able to:

- Explain the architecture and features of Visual Studio Team Foundation Server
- Use the Version Control features of TFS
- Use the Testing features of TFS

### Prerequisites

It would be ideal for the participants to have worked in a development project so as to better appreciate the necessity of version control in collaborative work. Students also must value testing as a requirement for project success.

### Course Outline

#### Module 1: Team Foundation Server 2010

This module introduces the Team Foundation Server 2010.

#### Lessons

- Overview of Team Foundation Server 2010
- Team Foundation Architecture

### Laboratory Exercises

After completing this module, students will be able to:

- Connect TFS to Visual Studio 2010
- Create windows form project and add solution to Source Control
- Updating the project Collection
- Create new TFS Collection
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### Module 2: Version Control

This module explains how to use version control in visual studio team system Team Foundation Sever IDE.

#### Laboratory Exercises

After completing these labs, students will be able to:

- Configure, Create, Check in, add a file in version control, edit file and get the latest version from the server using version control
- Create, add working folder, remove, edit, cloak folder, decloak folder and remove using workspace
- Shelve folder, find and delete shelve set and unshelve.
- Apply labeling from Source Control Explorer and visual studio menu
- Associate file type with third party compare tool, compare two files, compare folders using folder difference
- Work with TFS 2010 code branching
- Work with Branching and Merging Visualization

### Lessons

- Introduction to Version Control Parallel Development
- Version Control: Changesets
- Version Control: Workspace
- Version Control: Shelving
- Version Control: Branching and Merging
- Version Control :Compare Labeling
- Version Control: Compare/Different

### Module 3: Testing Tools

This module introduces how to use Microsoft Test Manager as testing tools in development project. Microsoft Test Manager can be used to organize your test plans, author and manage your test cases, and run manual tests etc.

#### Lessons

- Introduction to Microsoft Test Manager
- IntelliTrace
- Web Programming Test
- Coded UI Test
- Manual Testing
- Test Planning
- Test Case Management

#### Laboratory exercises

In this lab you will be introduced to working with Microsoft Test Manager.

After completing this module, students will be able to:

- Use IntelliTrace with call Information
- Recording and running a web performance test
- Know how code generate from action recording, and to know how code generate using coded UI test
- Authoring, running analyzing Manual Test Plan

- Configure Test plan, add test cases to a test plan and create requirements to a test plan
- Managing Test Suites and Test Cases, analyzing Test Runs

#### **Course Inclusions:**

- Microsoft Official Curriculum (MOC) and/or Wizards Learning Courseware (WLC)
- Microsoft Certified Trainer (MCT)
- Lunch, AM and PM Snacks
- Certificate of Achievement
- Course Notes